

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/02712

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B29C 39/00; C04B 26/00

US CL : 106/15.05, 802, 817; 264/9, 319, 331.11, 333

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 106/15.05, 802, 817; 264/9, 319, 331.11, 333

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2003/0087074A A1 (YAMANASHI et al) 08 May 2003, abstract, examples and claims.	1-13, 19-27
Y	US 3,670,060 A (CUFFARO et al) 13 June 1972, abstract, examples and claims.	1-13, 19-22, 24-27
Y	US 3,278,662 A (MANGRUM) 11 October 1966, abstract, examples and claims.	1-13, 19-27
Y	US 5,321,055 A (SLOCUM) 14 June 1994, abstract, examples and claims.	1-13, 19-22, 24-27
Y	US 6,136,226 A (SAKAI) 24 October 2000, abstract, examples and claims.	1-13, 19-27
Y	US 4,595,626 A (BRUBAKER et al) 17 June 1986, abstract, examples and claims.	1-13, 19-51, 57-65
Y	US 5,800,752 A (CHARLESBOIS) 01 September 1998, abstract, examples and claims.	1-13, 19-51, 57-65
Y	US 6,387,985 B1 (WILKINSON et al) 14 May 2002, abstract, examples and claims.	1-13, 19-51, 57-65
A	US 5,536,345 A (LINGART) 16 July 1996.	1-65



Further documents are listed in the continuation of Box C.



See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

27 July 2004 (27.07.2004)

Date of mailing of the international search report

18 AUG 2004

Name and mailing address of the ISA/US

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4,698,010 A (TONCELLI) 06 October 1987.	1-65
A	JP 7-292288 A (ABC SHOKAI KK) 07 November 1995.	1-65
A	JP 10-265250 A (OSADA GIKEN KK) 06 October 1998.	1-65
A	JP 2000-1659730 A (AICHI TYRE KOGYO KK) 20 June 2000.	1-65

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Continuation of B. FIELDS SEARCHED Item 3:

WEST

search terms: aggregate, artificial stone, binder, antimicrobial, biocid\$, microb\$, natural stone

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